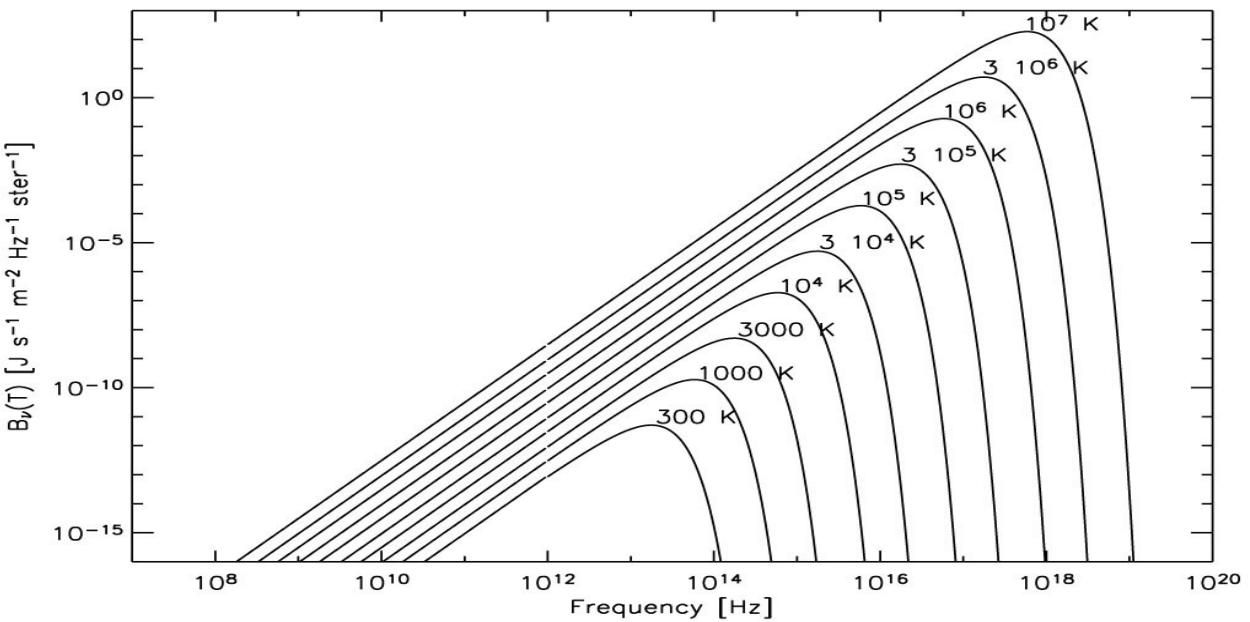
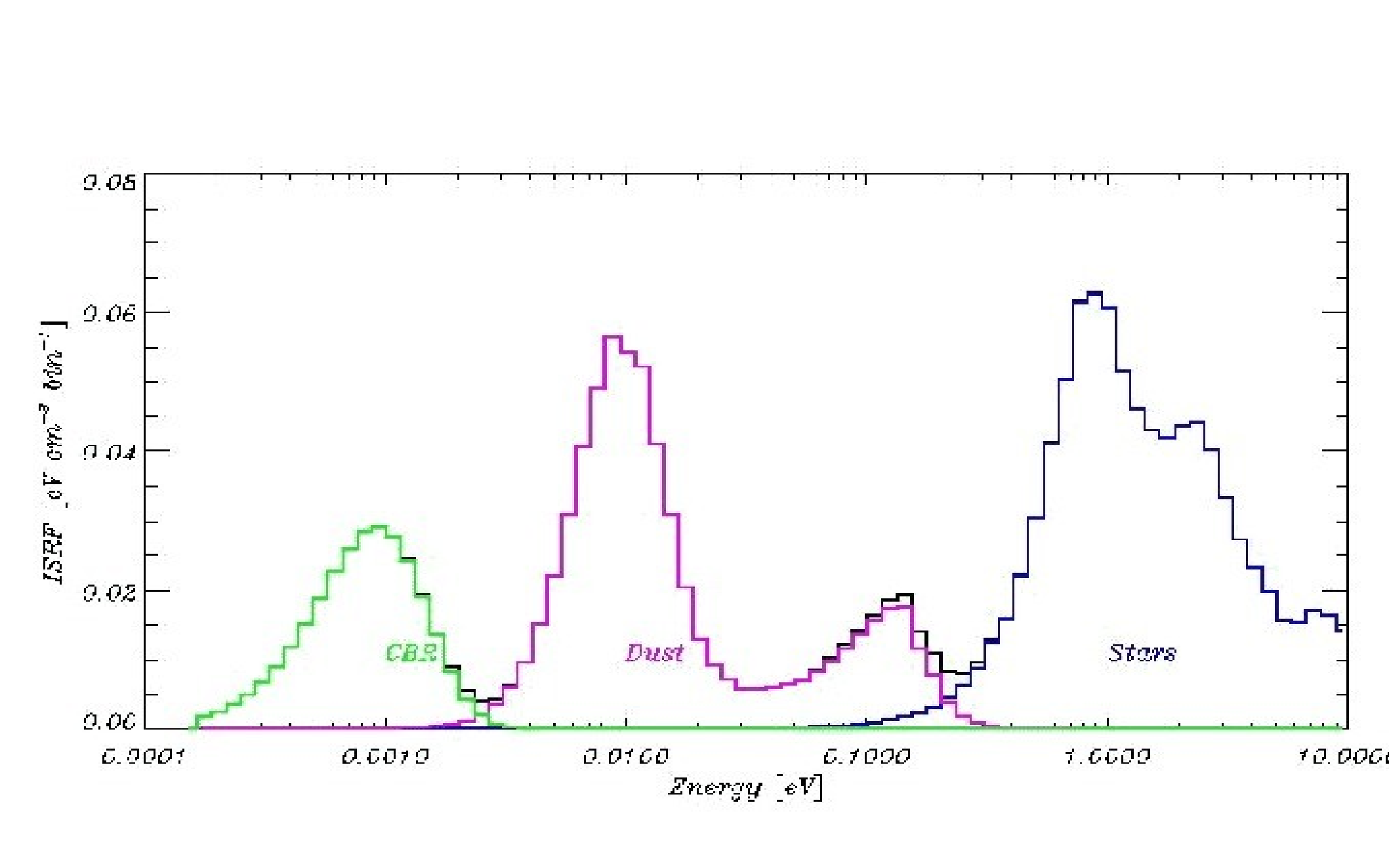
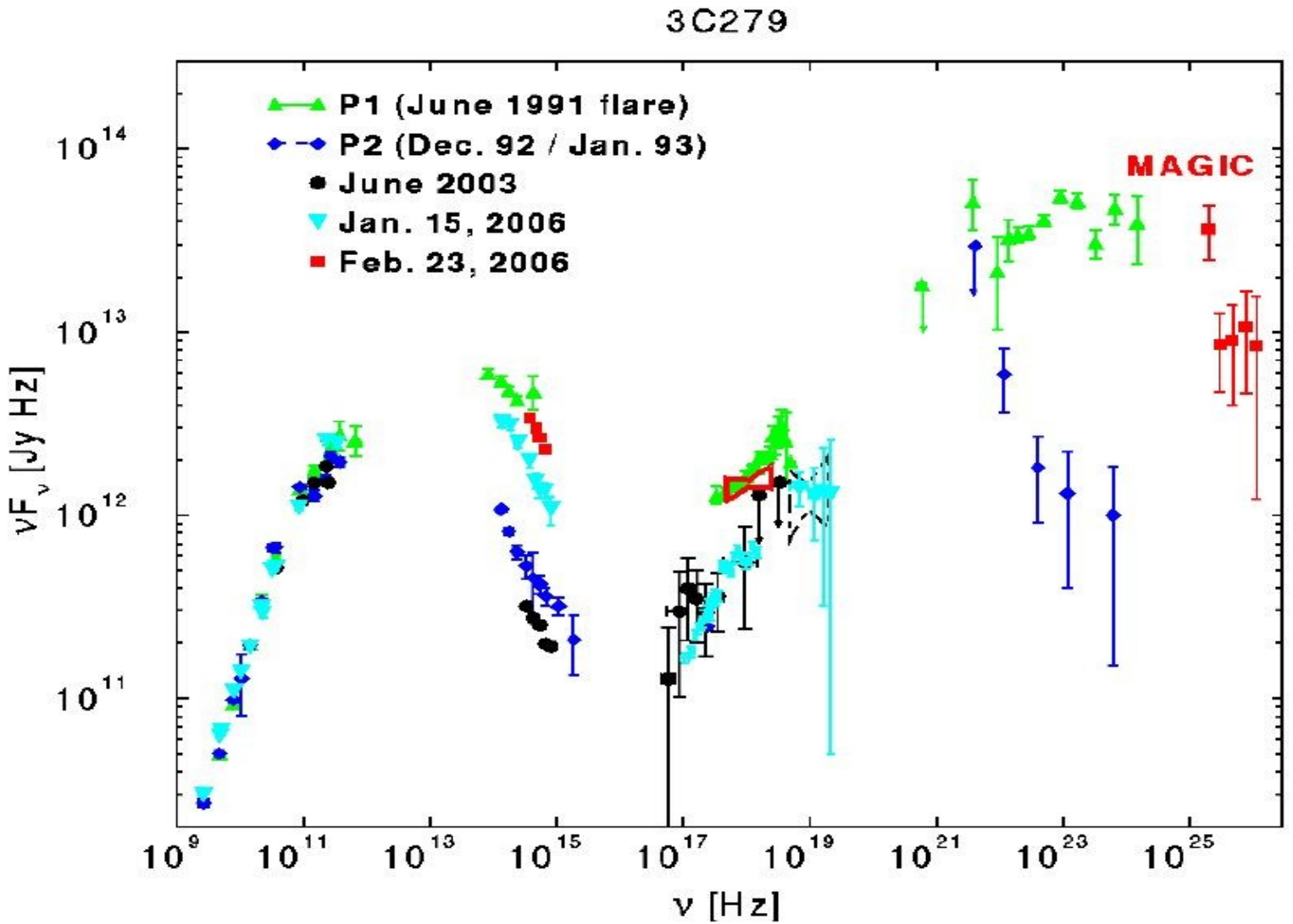
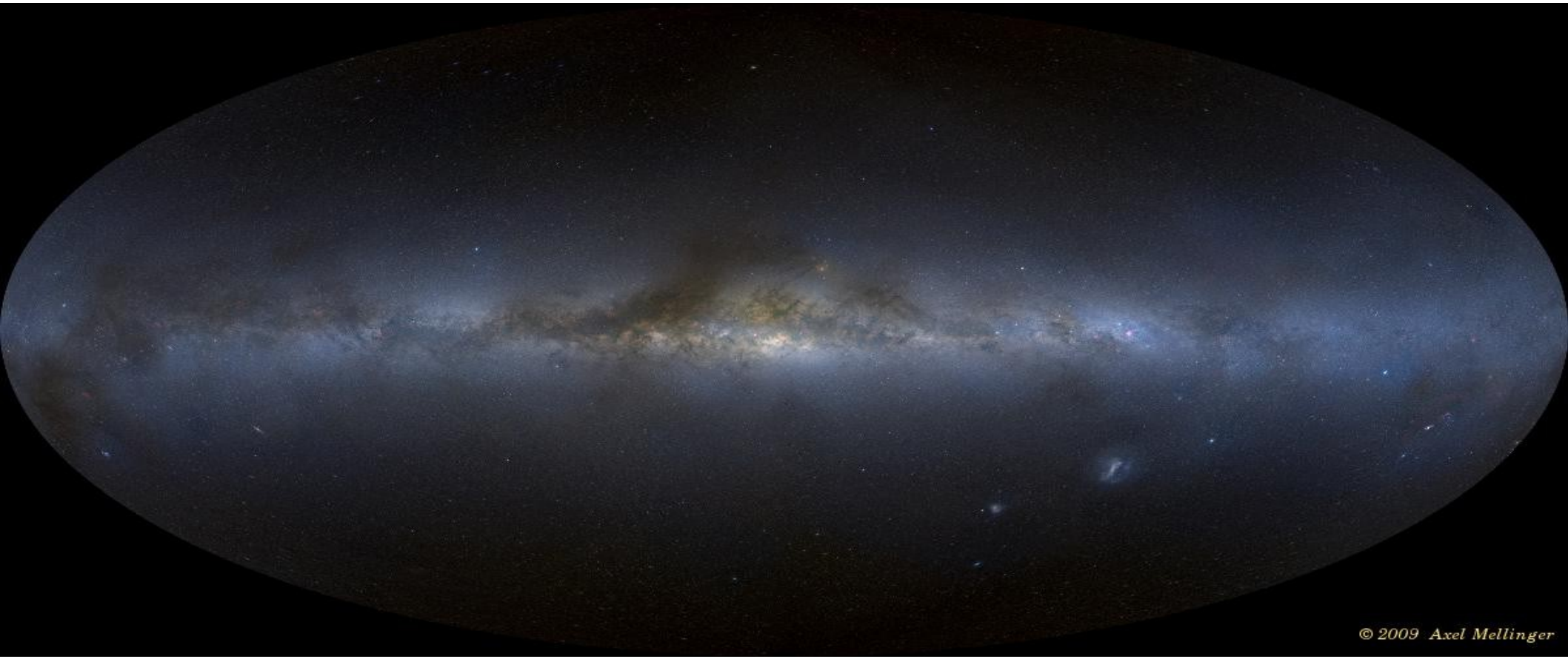
Photons from the celestial objects

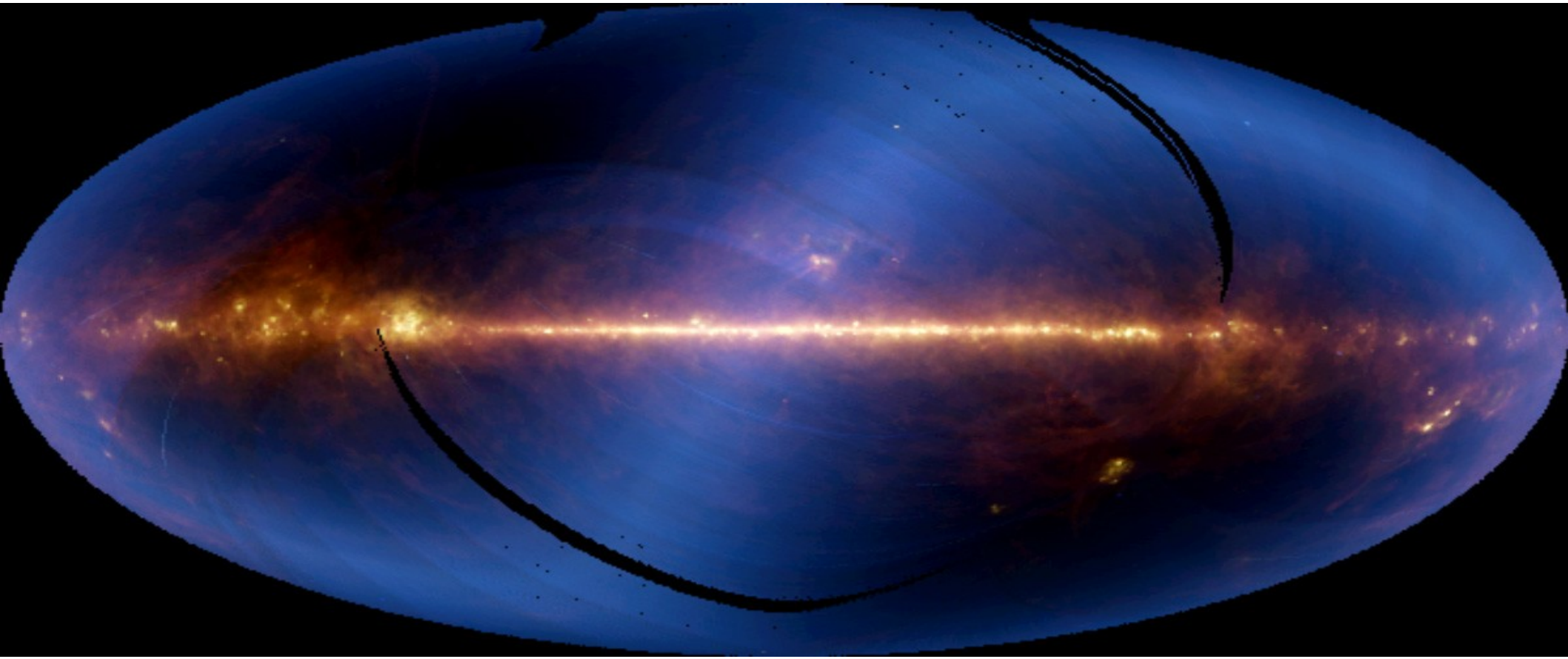
Black body radiation

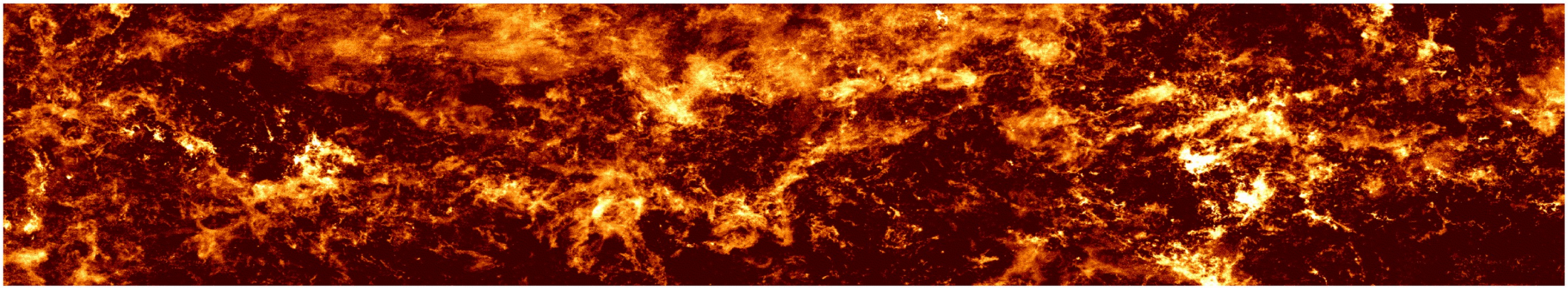


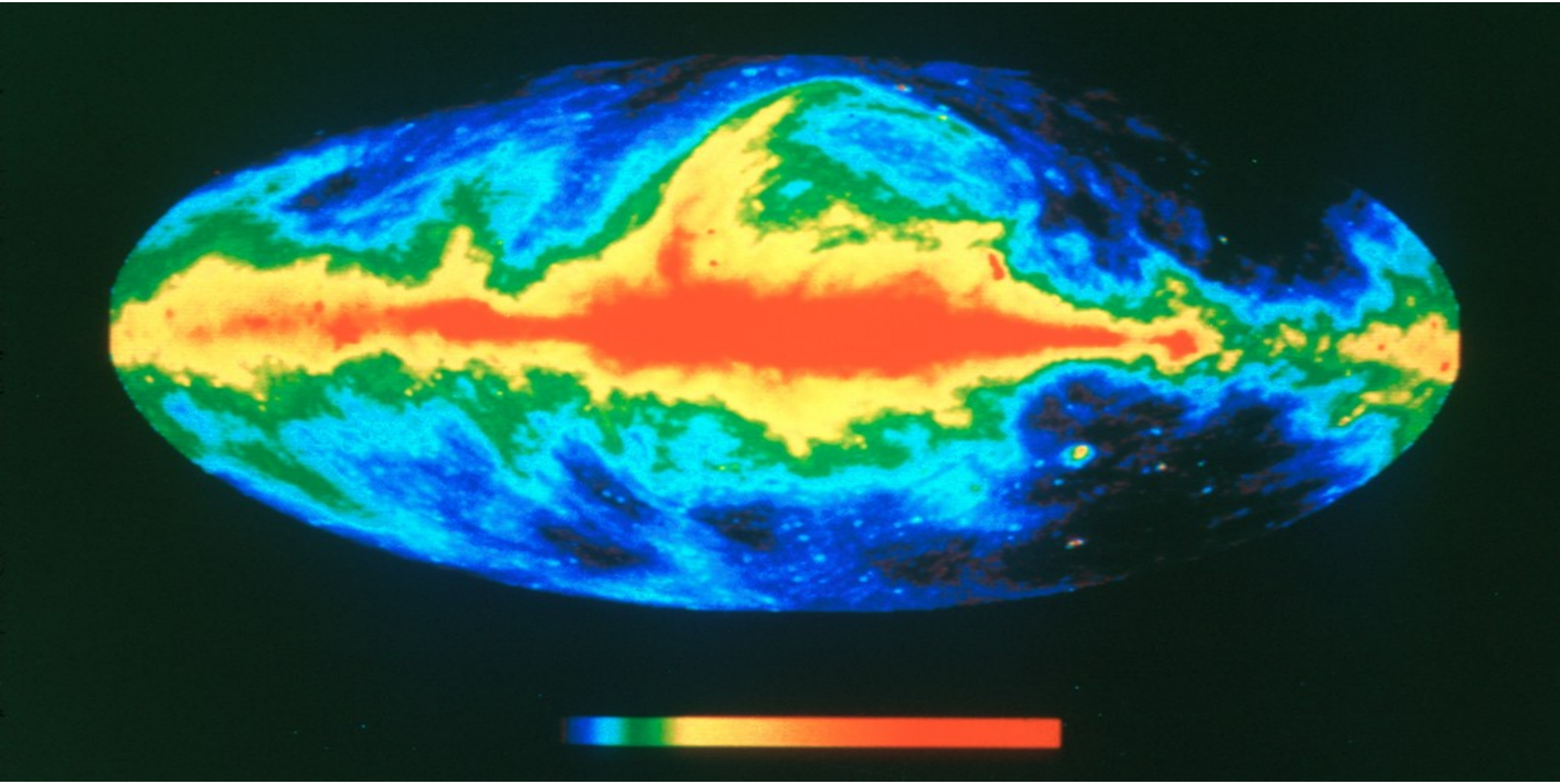

0.08
0.06
0.04
0.02
0.00
ISRF [eV cm^{-3} bin^{-1}]
CBR
Dust
Stars
0.0001
0.0010
0.0100
0.1000
1.0000
10.0000
Energy [eV]

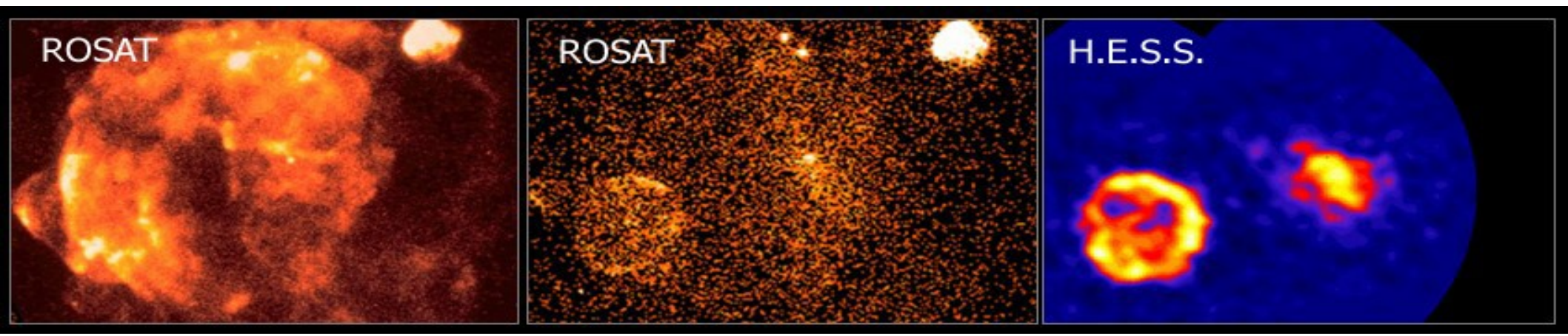

3C279
P1 (June 1991 flare)
P2 (Dec. 92 / Jan. 93)
June 2003
Jan. 15, 2006
Feb. 23, 2006
MAGIC
10^{14}
10^{13}
10^{12}
10^{11}
νF_ν [Jy Hz]
10^{9}
10^{11}
10^{13}
10^{15}
10^{17}
10^{19}
10^{21}
10^{23}
10^{25}
ν [Hz]

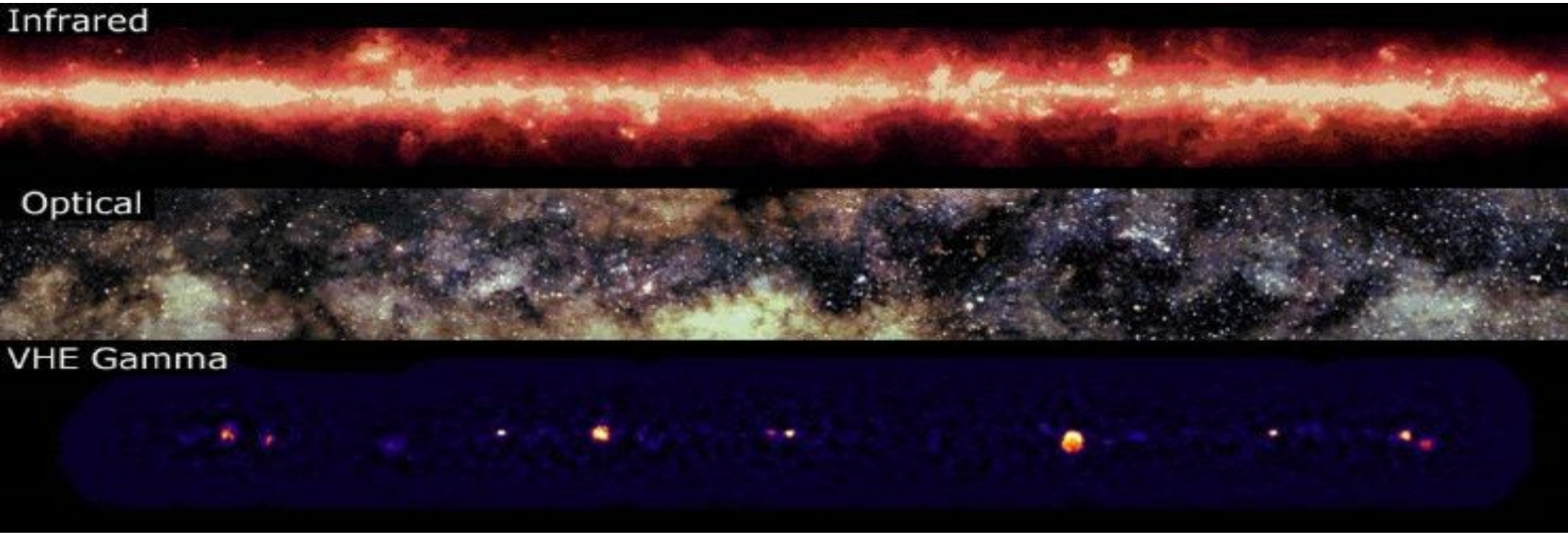

© 2009 Axel Mellinger

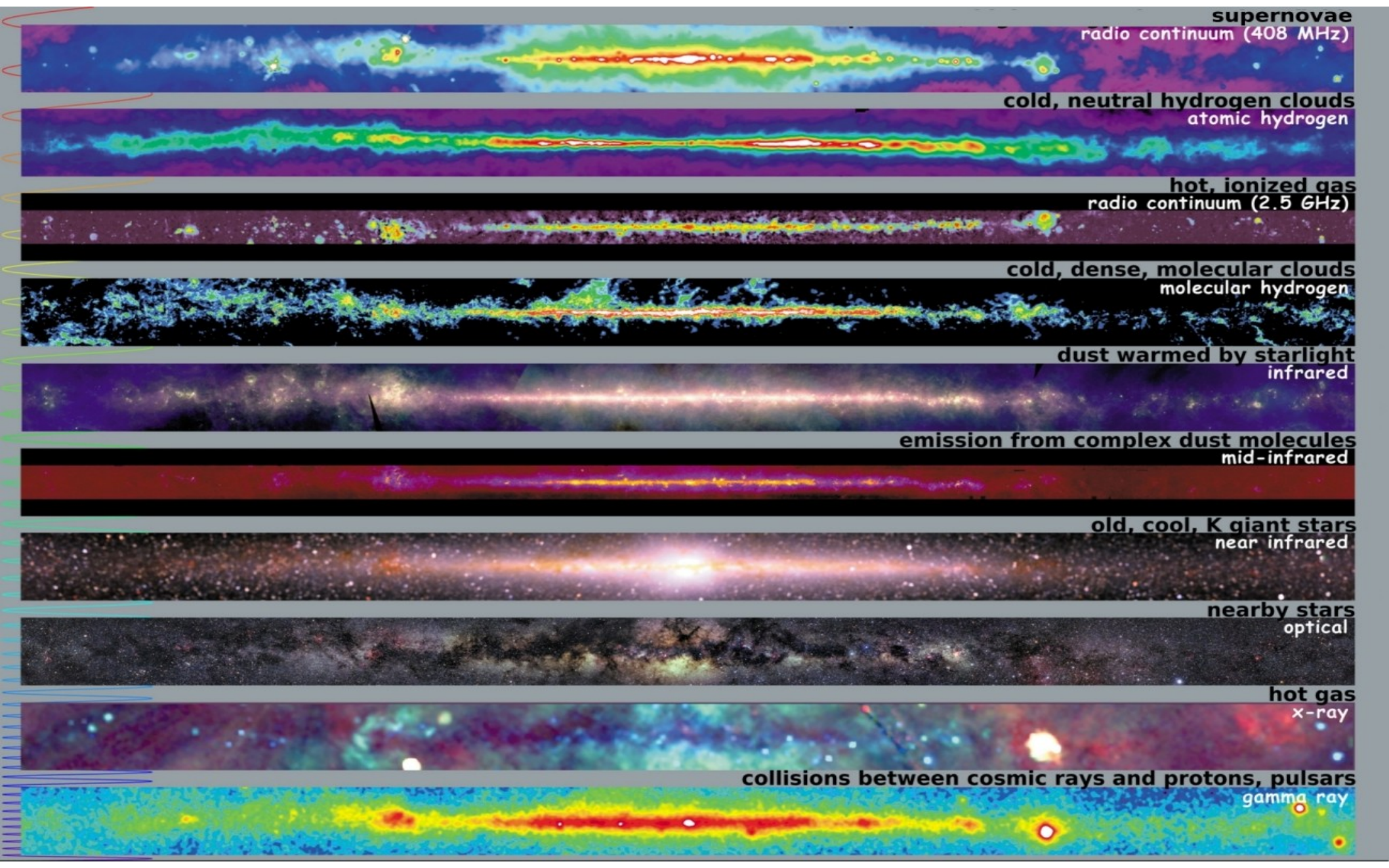







ROSAT
ROSAT
H.E.S.S.


Infrared
Optical
VHE Gamma


supernovae
radio continuum (408 MHz)
cold, neutral hydrogen clouds
atomic hydrogen
hot, ionized gas
radio continuum (2.5 GHz)
cold, dense, molecular clouds
molecular hydrogen
dust warmed by starlight
infrared
emission from complex dust molecules
mid-infrared
old, cool, K giant stars
near infrared
nearby stars
optical
hot gas
x-ray
collisions between cosmic rays and protons, pulsars
gamma ray